

Approvals Packet

CalFire Approvals & Fire Testing



Project Photo
Brandon Architects



WEAVERBIRD

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CalFire Approvals

When building in High Fire Severity Zones, exterior materials such as cladding, eave & decking require CalFire certification. This certification & listing is based on standardized assembly testing to determine whether a product meets the minimum level of performance.

Flame Spread Ratings

In addition to CalFire approvals, flame spread rating can be an important component when reviewing materials & understanding how resistant to fire each product is.

Nusku Fireblocker : Pages 3-7

CalFire WUI Listing (T&G Siding): Page 3
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Nusku Thermacor : Pages 8-10

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**CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM**

LISTING SERVICE

LISTING No.:	8140-2064:0101
CATEGORY:	8140 - EXTERIOR WALL SIDING AND SHEATHING FOR WILDLAND URBAN INTERFACE (W.U.I)
LISTEE:	Nusku Partners LLC 4501 Brickell Privado Street, Ontario, CA, 91761 Contact: Hummel, Tim (909) 591-4841 (909) 591-4818 Email: tim@wehardenhomes.com
DESIGN:	<p>*"NuSku Fireblocker", Fingerjoint Redwood in Tongue and Groove profiles, minimum nominal 1"x6" dimension, with no holes or knots, installed over oriented strand board (OSB), plywood or gypsum with 7/16" minimum thickness in the following CRA #17 patterns:</p> <p>1"x6" #711; 1"x6" #711R; 1"x6" #708; 1"x6" #708R; 1"x6" #616; 1"x6" #633; 1"x6" #633EE; 1"x6" #726R;</p> <p>1"x8" #712; 1"x8" #712R; 1"x8" #715; 1"x8" #715R; 1"x8" #617; 1"x8" #634; 1"x8" #634EE; 1"x8" #727R;</p> <p>1"x10" #713; 1"x10" #713R; 1"x10" #716; 1"x10" #716R; 1"x10" #728R.</p> <p>Refer to manufacturer's installation instructions and product data sheets.</p>
RATING:	Compliance in accordance with Chapter 7A of the California Building Code.
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee name. Model number, rating and SFM label.
APPROVAL:	Listed as exterior siding for use in the Wildland Urban Interface areas. For Horizontal installation only.
NOTES:	Replaces former listings 8140-2064:0002, 8140-2064:0003, 8140-2064:0004, 8140-2064:0005, 8140-2064:0006, 8140-2064:0007, 8140-2064:0008 and 8140-2064:0020.

8-8-24 MH

*Corrected



**CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
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FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM**

LISTING SERVICE

LISTING No.:	8140-2064:0102
CATEGORY:	8140 - EXTERIOR WALL SIDING AND SHEATHING FOR WILDLAND URBAN INTERFACE (W.U.I.)
LISTEE:	Nusku Partners LLC 4501 Brickell Privado Street, Ontario, CA, 91761 Contact: Hummel, Tim (909) 591-4841 (909) 591-4818 Email: tim@wehardenhomes.com
DESIGN:	<p>*"NuSku Fireblocker", Fingerjoint Redwood in Shiplap profiles, minimum nominal 1"x6" dimension, with no holes or knots, installed over oriented strand board (OSB), plywood or gypsum with 7/16" minimum thickness in the following CRA #17 patterns:</p> <p>1"x6" #770; 1"x6" #793; 1"x6" #793R; 1"x6" #761; 1"x6" #774; 1"x6" #430; 1"x8" #771; 1"x8" #794; 1"x8" #794R; 1"x8" #762; 1"x8" #775; 1"x8" #431; 1"x10" #772; 1"x10" #773; 1"x10" #795; 1"x10" #795R; 1"x10" #763; 1"x10" #776; 1"x10" #433.</p> <p>Refer to manufacturer's installation instructions and product data sheets.</p>
RATING:	Compliance in accordance with Chapter 7A of the California Building Code.
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee name. Model number, rating and SFM label.
APPROVAL:	Listed as exterior siding for use in the Wildland Urban Interface areas. For Horizontal installation only.
NOTES:	Replaces former listings 8140-2064:0012, 8140-2064:0013, 8140-2064:0018, 8140-2064:0019, 8140-2064:0021, 8140-2064:0022, 8140-2064:0023 and 8140-2064:0025.

8-8-24 MH

*Corrected



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FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM**

LISTING SERVICE

LISTING No.:	8140-2064:0100
CATEGORY:	8140 - EXTERIOR WALL SIDING AND SHEATHING FOR WILDLAND URBAN INTERFACE (W.U.I)
LISTEE:	Nusku Partners LLC 4501 Brickell Privado Street, Ontario, CA, 91761 Contact: Hummel, Tim (909) 591-4841 (909) 591-4818 Email: tim@wehardenhomes.com
DESIGN:	<p>*"NuSku Fireblocker", Fingerjoint Redwood in Bevel profiles, minimum nominal 3/4"x6" dimension, with no holes or knots, installed over oriented strand board (OSB), plywood or gypsum with 7/16" minimum thickness in the following CRA #17 patterns:</p> <p>3/4"x6" #371; 3/4"x8" #372; 3/4"x10" #373; 3/4"x6" #391; 3/4"x8" #392; 3/4"x10" #393; 1-1/4"x6" #476; 1-1/4"x8" #477; 1-1/4"x10" #478.</p> <p>Refer to manufacturer's installation instructions and product data sheets.</p>
RATING:	Compliance in accordance with Chapter 7A of the California Building Code.
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee name. Model number, rating and SFM label.
APPROVAL:	Listed as exterior siding for use in the Wildland Urban Interface areas. For Horizontal installation only.
NOTES:	Replaces former listings 8140-2064:0015, 8140-2064:0016 and 8140-2064:0024.

8-8-24 MH

*Corrected



This listing is based upon technical data submitted by the applicant. OSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: 04/02/2025

Listing Expires: 06/30/2026



**CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
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FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM**

LISTING SERVICE

LISTING No.:	8160-2064:0026
CATEGORY:	8160 - HORIZONTAL PROJECTION UNDERSIDE FOR WILDLAND URBAN INTERFACE (W.U.I.)
LISTEE:	Nusku Partners LLC 4501 Brickell Privado Street, Ontario, CA, 91761 Contact: Hummel, Tim (909) 591-4841 (909) 591-4818 Email: tim@wehardenhomes.com
DESIGN:	*"Nusku Fireblocker", Fingerjoint Redwood ceiling cladding products to include Tongue & Groove and Shiplap minimum dimension 1x4 (nominal) installed over standard 7/16" oriented strand board (OSB), plywood or gypsum. Refer to manufacturer's installation instructions and product data sheet.
RATING:	NA
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee name. Model number, rating and SFM label.
APPROVAL:	Listed as under eave materials for use in the Wildland Urban Interface areas. Refer to manufacturer's Installation Manual for details.
NOTES:	Test Protocol SFM 12-7A-3

8-8-24 MH

*Corrected



This listing is based upon technical data submitted by the applicant. OSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: 04/02/2025**Listing Expires: 06/30/2026**

Authorized By: **Michael Huang**, Program Coordinator
Fire Engineering & Investigations Division



8385 White Oak Avenue
 Rancho Cucamonga, CA 91730
 909.483.0250 ph. | 909.483.0336 fx.

CLIENT: Nusku Partners
 4501 Brickell Privado
 Ontario, CA 91761

Test Report Number :	RJ6510F-1	Date:	October 15, 2018
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SAMPLE ID: The client identified the following test material as:
 Nusku Fireblocker with Franklin Advantage 440 DEV

SAMPLING DETAIL: Test Samples were pulled from production at the clients manufacturing facility located at 4501 Brickell Privado, Ontario, CA 91761 by a QAI Representative on September 19, 2018.

DATE OF RECEIPT: Samples were received at QAI facilities on: September 27, 2018

TESTING PERIOD: Wednesday, October 3, 2018

AUTHORIZATION: Testing was authorized by Tim Hummel for proposal 18MB09063R2 signed September 13, 2018.

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM E84 - 17 "Standard Method of Test for Surface Burning Characteristics of Building Materials". The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1..

TEST RESULTS:	<u>Flame Spread</u>	<u>Smoke Developed</u>
	25	70

CONCLUSION: When tested in accordance to ASTM E84-17 the tested material resulted in a Class 'A'. Detailed test results are presented in the subsequent pages of this report

Prepared By

Gregory Banasky
 Senior Fire Technician

**Signed for and on behalf of
 QAI Laboratories, Inc.**

Brian Ortega
 Senior Fire Technician

THIS REPORT IS THE CONFIDENTIAL PROPERTY OF THE CLIENT ADDRESSED. THE REPORT MAY ONLY BE REPRODUCED IN FULL. PUBLICATION OF EXTRACTS FROM THIS REPORT IS NOT PERMITTED WITHOUT WRITTEN APPROVAL FROM QAI. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED FOR THE INDIVIDUAL PROJECT FILE REFERENCED. THE RESULTS OF THIS REPORT PERTAIN ONLY TO THE SPECIFIC SAMPLE(S) EVALUATED.



**CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
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FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM**

LISTING SERVICE

LISTING No.:	8140-2064:0501
CATEGORY:	8140 - EXTERIOR WALL SIDING AND SHEATHING FOR WILDLAND URBAN INTERFACE (W.U.I)
LISTEE:	Nusku Partners LLC 4501 Brickell Privado Street, Ontario, CA, 91761 Contact: Hummel, Tim (909) 591-4841 (909) 591-4818 Email: tim@wehardenhomes.com
DESIGN:	Thermally Modified Ash Nusku Thermacor Siding, material nominal 1" x 6" for horizontal installation with a maximum 1" shiplap. Refer to manufacturer's installation instructions and product data sheets.
RATING:	SFM 12-7A-1
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances, and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee's name, model number, rating, and SFM label.
APPROVAL:	Listed as exterior siding materials for horizontal installation for use in the Wildland Urban Interface areas. Refer to listee's Installation Instruction Manual for details.
NOTES:	Test Protocol SFM 12-7A-1

04-24-20 VWW



This listing is based upon technical data submitted by the applicant. OSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: 04/02/2025

Listing Expires: 06/30/2026

Authorized By: **Michael Huang**, Program Coordinator
Fire Engineering & Investigations Division



**CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
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BUILDING MATERIALS LISTING PROGRAM**

LISTING SERVICE

LISTING No.:	8110-2064:0500
CATEGORY:	8110 - DECKING FOR WILDLAND URBAN INTERFACE (W.U.I)
LISTEE:	Nusku Partners LLC 4501 Brickell Privado Street, Ontario, CA, 91761 Contact: Hummel, Tim (909) 591-4841 (909) 591-4818 Email: tim@wehardenhomes.com
DESIGN:	Thermally Modified Ash Nusku Thermacor Decking, material nominal 5/4" x 6" with a 3/16" maximum edge to edge spacing. Refer to the manufacturer's installation instructions and product data sheets.
RATING:	SFM 12-7A-4A
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances, and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee's name, model number, rating, and SFM label.
APPROVAL:	Listed as decking materials for use in the Wildland Urban Interface areas when attached exterior wall covering is also composed of noncombustible or ignition-resistant material. Refer to listee's Installation Instruction Manual for details.
NOTES:	Test Protocol SFM 12-7A-4A

04-24-20 VWW



This listing is based upon technical data submitted by the applicant. OSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: 04/02/2025**Listing Expires: 06/30/2026**

Authorized By: **Michael Huang**, Program Coordinator
Fire Engineering & Investigations Division



**CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM**

LISTING SERVICE

LISTING No.:	8160-2064:0504
CATEGORY:	8160 - HORIZONTAL PROJECTION UNDERSIDE FOR WILDLAND URBAN INTERFACE (W.U.I.)
LISTEE:	Nusku Partners LLC 4501 Brickell Privado Street, Ontario, CA, 91761 Contact: Hummel, Tim (909) 591-4841 (909) 591-4818 Email: tim@wehardenhomes.com
DESIGN:	Nusku Thermacor Eave Material. Nominal 1" thick, 6" wide, and in 3' to 16' lengths (odds & evens), tongue, and groove edge profile. Refer to manufacturer's installation instructions and product data sheets.
RATING:	SFM 12-7A-3
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances, and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee's name, model number, rating, and SFM label
APPROVAL:	Listed as under eave materials for use in the Wildland Urban Interface areas. Refer to listee's Installation Instruction Manual for details.
NOTES:	Test Protocol SFM 12-7A-3

5-12-22 DAL



This listing is based upon technical data submitted by the applicant. OSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: 04/11/2025

Listing Expires: 06/30/2026

Authorized By: **Michael Huang**, Program Coordinator
Fire Engineering & Investigations Division



**CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM**

LISTING SERVICE

LISTING No.:	8140-2064:0503
CATEGORY:	8140 - EXTERIOR WALL SIDING AND SHEATHING FOR WILDLAND URBAN INTERFACE (W.U.I.)
LISTEE:	Nusku Partners LLC 4501 Brickell Privado Street, Ontario, CA, 91761 Contact: Hummel, Tim (909) 591-4841 (909) 591-4818 Email: tim@wehardenhomes.com
DESIGN:	Nusku Terratek Engineered Cedar Tongue and Groove Siding Panels, material 19/32" thick by 5-7/16" wide. *Installed on 7/16" exterior grade OSB, moisture barrier, and 3/8" furring strips made of wood or non-combustible material or 3/8" non-combustible drainage mat. Refer to manufacturer's installation instructions and product data sheets.
RATING:	SFM 12-7A-1
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances, and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee's name, model number, rating, and SFM label.
APPROVAL:	Listed as exterior siding materials for use in the Wildland Urban Interface areas. Refer to listee's Installation Instruction Manual for details.
NOTES:	Test Protocol SFM 12-7A-1

*Rev. 10-29-21
VWW



This listing is based upon technical data submitted by the applicant. OSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: 04/02/2025

Listing Expires: 06/30/2026

Authorized By: **Michael Huang**, Program Coordinator
Fire Engineering & Investigations Division



**CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM**

LISTING SERVICE

LISTING No.:	8160-2064:0502
CATEGORY:	8160 - HORIZONTAL PROJECTION UNDERSIDE FOR WILDLAND URBAN INTERFACE (W.U.I.)
LISTEE:	Nusku Partners LLC 4501 Brickell Privado Street, Ontario, CA, 91761 Contact: Hummel, Tim (909) 591-4841 (909) 591-4818 Email: tim@wehardenhomes.com
DESIGN:	Nusku Terratek Engineered Cedar Tongue and Groove Siding Panels, material 19/32" thick by 5-7/16" wide. Installed on 7/16" exterior grade OSB and moisture barrier. Refer to manufacturer's installation instructions and product data sheets.
RATING:	SFM 12-7A-3
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances, and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee's name, model number, rating, and SFM label.
APPROVAL:	Listed as under eave materials for use in the Wildland Urban Interface areas. Refer to listee's Installation Instruction Manual for details.
NOTES:	Test Protocol SFM 12-7A-3

04-24-20 VWW



This listing is based upon technical data submitted by the applicant. OSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: 04/11/2025**Listing Expires: 06/30/2026**

Authorized By: **Michael Huang**, Program Coordinator
Fire Engineering & Investigations Division



8385 White Oak Avenue
 Rancho Cucamonga, CA 91730
 909.483.0250 ph. | 909.483.0336 fx.

CLIENT: CALIFORNIA TIMBERLINE, INC.
 4650 Edison Ave.
 Chino, CA 91710

Test Report Number : RJ5645F-1	Date: August 22, 2017
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SAMPLE ID: The client identified the following test material as:
 Nusku Tropideck

SAMPLING DETAIL: Test Samples were submitted to the Laboratory directly by the client. No sampling or sample preparation were observed by QAI staff.

DATE OF RECEIPT: Samples were received at QAI facilities on: August 2, 2017

TESTING PERIOD: August 9, 2017.

AUTHORIZATION: Testing was authorized by Chris Skibba for proposal 17MB07242 signed July 27, 2017

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-16, "Standard Method of Test for Surface Burning Characteristics of Building Materials". The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

TEST RESULTS:	<u>Flame Spread</u>	<u>Smoke Developed</u>
	25	130

CONCLUSION: When tested in accordance to ASTM E84-16 the tested material resulted in a Class 'A'. Detailed test results are presented in the subsequent pages of this report

Prepared By

Gregory Banasky
 Senior Fire Technician

**Signed for and on behalf of
 QAI Laboratories, Inc.**

Brian Ortega
 Senior Analyst / Fire Technology



**CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM**

LISTING SERVICE

LISTING No.:	8110-2351:0001
CATEGORY:	8110 - DECKING FOR WILDLAND URBAN INTERFACE (W.U.I)
LISTEE:	Kebony North America 812 South Riverside Ave, St. Clair, MI, 48079 Contact: Hodjera, Matthew (206) 321-0954 Email: mhodjera@kebonny.us
DESIGN:	Kebony Clear Radiata Boardwalk, Deck Board, and Square Deck Board, nominal 5/4" x 6" and 2" x 6". Installed on nominal 2" x 6" Douglas fir joists, 16" O.C., maximum 3/16" edge to edge spacing, with boards mechanically attached to the joists using "FastenMaster TrapEase 3" 2-1/2" long deck screws. Refer to manufacturer's installation instructions and product data sheets.
RATING:	Class B Flame Spread
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances, and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee's name, model number, rating, and SFM label.
APPROVAL:	Listed as decking materials for use in the Wildland Urban Interface areas when attached exterior wall covering complies with California Building Code Section 707A. Refer to listee's Installation Instruction Manual for details. Models complies with the applicable requirements in ASTM E84-18b and SFM 12-7A-4A.
NOTES:	

6-1-22 VWW



This listing is based upon technical data submitted by the applicant. OSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: 06/23/2025**Listing Expires: 06/30/2026**

Authorized By: **Michael Huang**, Program Coordinator
Fire Engineering & Investigations Division



8385 White Oak Avenue
 Rancho Cucamonga, CA 91730
 909.483.0250 ph. | 909.483.0336 fx.

CLIENT: KEBONY

Hoffsveien 48
 Oslo, Norway N-0377

Test Report No: RJ3936-2	Date: December 3, 2015
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SAMPLE ID: The Client submitted and identified the following test material as: Kebony Radiata Pine.

SAMPLING DETAIL: Test samples were submitted to the laboratory directly by the client. No special sampling conditions or sample preparation were observed by QAI.

DATE OF RECEIPT: Samples were received on November 30, 2015.

TESTING PERIOD: December 3, 2015.

AUTHORIZATION: Testing authorized Stig Lande.

TEST REQUESTED: Perform standard flame spread and smoke density developed classification tests on the sample supplied by the Client in accordance with ASTM Designation E84-15a, "Standard Method of Test for Surface Burning Characteristics of Building Materials". The foregoing test procedure is comparable to UL 723, ANSI/NFPA No. 255, and UBC No. 8-1.

TEST RESULTS:	<u>Flame Spread</u>	<u>Smoke Developed</u>
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45

250

For detailed results see page 2.

CONCLUSION: The submitted material meets the requirements for a "Class B" Flame Spread. See classification requirements on page 2.

Prepared By

Brian Ortega
 Test Technician

**Signed for and on behalf of
QAI Laboratories, Inc.**

Greg Banasky
 Senior Technician

Page 1 of 3

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 info@qai.org



**CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM**

LISTING SERVICE

LISTING No.:	8140-2041:0003
CATEGORY:	8140 - EXTERIOR WALL SIDING AND SHEATHING FOR WILDLAND URBAN INTERFACE (W.U.I)
LISTEE:	American Wood Council 222 Catoctin Circle, SE, Suite 201, Leesburg, VA, 20175 Contact: Smart, Jason (804) 650-9396 (703) 771-4079 Email: jsmart@awc.org
DESIGN:	<p>Solid-sawn "Wood" siding with no through holes or loose knots, installed over structural plywood or oriented strand board (OSB) with a 7/16" minimum thickness and complying with Voluntary Product Standard PS1 or Voluntary Product Standard PS2, with the following interlocking designs when installed in accordance with industrial technical guide. Refer to the manufacturer's installation instructions and product data sheets.</p> <p>a. Tongued & Grooved, Shiplap, V Shiplap (Edge Vee One Side): When applied in a horizontal orientation with minimum nominal 4" wide and nominal 1" thick boards made of wood species "Redwood", "Western Red Cedar", "Incense Cedar", "Port Orford Cedar", "Alaska Yellow Cedar", or any other wood species having a Flame Spread Rating not greater than 75 (Class B) when tested in accordance with ASTM E84. An additional face nail is to be added and shall be placed on the face, approximately 1" from the groove edge for T&G or overlapping edge for shiplap designs.</p> <p>b. Tongued & Grooved, Shiplap, Channel Shiplap, V Shiplap (Edge Vee One Side): When applied in a vertical orientation with minimum nominal 4" wide and nominal 1" thick boards made of wood species "Redwood", "Western Red Cedar", "Incense Cedar", "Port Orford Cedar", "Alaska Yellow Cedar", or other wood species having a Flame Spread Rating not greater than 75 (Class B) when tested in accordance with ASTM E84. An additional face nail is to be added and shall be placed on the face, approximately 1" from the groove edge for the Tongue & Grove or overlapping edge for shiplap designs.</p> <p>All nominal board sizes shall comply with the applicable provisions of American Softwood Lumber Standard DOC PS 20. Edge and end glued siding is permitted to be used interchangeably with solid sawn members. The recommended installation practice for solid wood siding in wall construction regarding butt and overlapping joints is: butt joints between pieces should be staggered a minimum of 12" and all butt joints should be flush with no gap. Nail joints into the studs or blocking members. One nail at each crossing with the wood frame support member shall be used for nominal 6" siding and 2 nails for nominal 8" or wider siding. Refer to the manufacturer's installation instructions and product data sheets.</p>
RATING:	Compliance with Chapter 7A of the California Building Code.
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee name, Model number, rating and SFM label.



**CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM**

LISTING SERVICE

LISTING No.:	8110-2041:0002
CATEGORY:	8110 - DECKING FOR WILDLAND URBAN INTERFACE (W.U.I)
LISTEE:	American Wood Council 222 Catoctin Circle, SE, Suite 201, Leesburg, VA, 20175 Contact: Smart, Jason (804) 650-9396 (703) 771-4079 Email: jsmart@awc.org
DESIGN:	<p>Solid "Wood" decking, when installed over minimum 2" x 6" solid "Douglas Fir" or better joists, spaced 24" or less on center, and decking and joists complying with American Softwood Lumber Standard PS 20 as follows:</p> <p>Minimum nominal 5/4" thick and nominal 6" wide decking boards with a maximum 3/8" radius edges made of solid wood species "Redwood", "Western Red Cedar", "Incense Cedar", "Port Orford Cedar", or "Alaska Yellow Cedar" having a Class B Flame Spread rating when tested in accordance with ASTM E84. Lumber grades: construction common, commercial or better grades for Redwood; 3 common, commercial or better grades for Cedars.</p> <p>Refer to the manufacturer's installation instructions and product data sheets.</p>
RATING:	Class B Flame Spread
INSTALLATION:	*In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee name, Model number, rating and SFM label.
APPROVAL:	Listed as solid wood decking materials for use in the Wildland Urban Interface areas.
NOTES:	Test Protocol SFM 12-7A-4A

*12-21-11gt



This listing is based upon technical data submitted by the applicant. OSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: 05/24/2025

Listing Expires: 06/30/2026



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BUILDING MATERIALS LISTING PROGRAM**

LISTING SERVICE

LISTING No.:	8140-2041:0005
CATEGORY:	8140 - EXTERIOR WALL SIDING AND SHEATHING FOR WILDLAND URBAN INTERFACE (W.U.I.)
LISTEE:	American Wood Council 222 Catoctin Circle, SE, Suite 201, Leesburg, VA, 20175 Contact: Smart, Jason (804) 650-9396 (703) 771-4079 Email: jsmart@awc.org
DESIGN:	<p>Solid-sawn "Wood" siding with no through holes or loose knots, installed over structural plywood or oriented strand board (OSB) with a 7/16" minimum thickness and complying with Voluntary Product Standard PS1 or Voluntary Product Standard PS2, with the following interlocking designs when installed in accordance with industrial technical guide. Refer to the manufacturer's installation instructions and product data sheets.</p> <p>Board and Batten: When applied in a vertical orientation with minimum nominal 8" wide and nominal 1" thick boards, and minimum nominal 4" wide and nominal 1-1/4" thick battens, with boards installed with a gap not more than 1/2", with battens fastened to the wood frame with not less than 3" long fasteners at a schedule not more than 24" on center, and boards and battens made of a wood species "Redwood", "Western Red Cedar", "Incense Cedar", "Port Orford Cedar", "Alaska Yellow Cedar", or any other wood species having a Flame Spread Rating not greater than 75 (Class B) when tested in accordance with ASTM E84.</p> <p>All nominal board sizes shall comply with the applicable provisions of American Softwood Lumber Standard DOC PS 20. Edge and end glued siding is permitted to be used interchangeably with solid sawn members. The recommended installation practice for solid wood siding in wall construction regarding butt and overlapping joints is: butt joints between pieces should be staggered a minimum of 12" and all butt joints should be flush with no gap. Nail joints into the studs or blocking members. One nail at each crossing with the wood frame support member shall be used for nominal 6" siding and 2 nails for nominal 8" or wider siding. Refer to the manufacturer's installation instructions and product data sheets.</p>
RATING:	Compliance with Chapter 7A of the California Building Code.
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee name, Model number, rating and SFM label.
APPROVAL:	Listed as solid wood sidings for use in the Wildland Urban Interface areas.
NOTES:	



**CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
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FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM**

LISTING SERVICE

LISTING No.:	8140-2041:0008
CATEGORY:	8140 - EXTERIOR WALL SIDING AND SHEATHING FOR WILDLAND URBAN INTERFACE (W.U.I)
LISTEE:	American Wood Council 222 Catoctin Circle, SE, Suite 201, Leesburg, VA, 20175 Contact: Smart, Jason (804) 650-9396 (703) 771-4079 Email: jsmart@awc.org
DESIGN:	<p>Solid-sawn "Wood" siding with no through holes or loose knots, installed over structural plywood or oriented strand board (OSB) with a 7/16" minimum thickness and complying with Voluntary Product Standard PS1 or Voluntary Product Standard PS2, with the following interlocking designs when installed in accordance with industrial technical guide. Refer to the manufacturer's installation instructions and product data sheets.</p> <p>Board on Board: When applied in a vertical orientation with minimum nominal 8" wide and nominal 1" thick boards, and 3/4" thick x 3-1/2" wide plywood inserts between boards, with boards and plywood inserts installed with a gap not more than 1/8" between them and fastened to the wood frame with not less than 3" long fasteners at a schedule not more than 24" on center, and boards made of a wood species "Redwood", "Western Red Cedar", "Incense Cedar", "Port Orford Cedar", "Alaska Yellow Cedar", or any other wood species having a Flame Spread Rating not greater than 75 (Class B) when tested in accordance with ASTM E84.</p> <p>All nominal board sizes shall comply with the applicable provisions of American Softwood Lumber Standard DOC PS 20. Edge and end glued siding is permitted to be used interchangeably with solid sawn members. The recommended installation practice for solid wood siding in wall construction regarding butt and overlapping joints is: butt joints between pieces should be staggered a minimum of 12" and all butt joints should be flush with no gap. Nail joints into the studs or blocking members. One nail at each crossing with the wood frame support member shall be used for nominal 6" siding and 2 nails for nominal 8" or wider siding. Refer to the manufacturer's installation instructions and product data sheets.</p>
RATING:	Compliance with Chapter 7A of the California Building Code.
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee name, Model number, rating and SFM label.
APPROVAL:	Listed as solid wood sidings for use in the Wildland Urban Interface areas.
NOTES:	